

ITW
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By: [Signature]



PATENT
Attorney Docket No. 020463-000410US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Paul Danton Huish *et al.*

Application No.: 10/737,102

Filed: December 15, 2003

For: DETERGENT COMPOSITIONS
CONTAINING ALPHA-SULFOFATTY
ACID ESTERS AND METHODS OF
MAKING AND USING THE SAME

Examiner: To be assigned

Art Unit: To be assigned

**INFORMATION DISCLOSURE
STATEMENT
UNDER 37 CFR §1.97 and §1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of references AA-AR, AY, and AZ-BG can be found in parent Application No. 09/574,996, filed May 19, 2000, now Patent No. 6,683,039, issued on January 27, 2004 (Attorney Docket No. 020463-000400US). Copies of references AS-AX and BH-BO are enclosed.

Applicants would like to bring to the attention of the Examiner the following related, now issued patent applications, which are commonly assigned with this application:

Inventor(s)	Application No.	Filing Date	Atty. Docket No.	Cite No.
	Patent No.	Issue Date		
P. Huish, et al.	09/574,764	05/19/2000	020463-000100US	AS
	6,534,464	03/18/2003		
P. Huish, et al.	09/578,248	05/24/2000	020463-000200US	AU
	6,468,956	10/22/2002		
P. Huish, et al.	09/585,684	06/01/2000	020463-000300US	AV
	6,509,310	01/21/2003		
P. Huish, et al.	09/481,815	01/11/2000	020463-000900US	AT
	6,407,050	01/18/2002		
P. Huish, et al.	09/195,785	1/19/1998	020463-001100US	AR
	6,057,280	05/02/2000		

The following related, co-pending applications, which are commonly assigned with this application, are also being called to the attention of the Examiner:

Inventor(s)	Application No.	Filing Date	Atty. Docket No.	Cite No.
P. Huish, et al.	09/704,256	11/01/2000	020463-000110US	AW
P. Huish, et al.	09/677,271	10/02/2000	020463-000600US	AX

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Finally, Applicants bring to the attention of the Examiner the following related, co-pending applications and a related issued patent, commonly assigned with this application, copies of which are not submitted because they are believed to be cumulative of the issued patents referenced above:

<u>Application No.</u>	<u>Filing Date</u>	<u>Atty. Docket No.</u>
10/278,161 (Continuation of Appl. No. 09/578,248, Patent No. 6,468,956, Atty. Docket. No. 020463-000200US)	10/21/2002	020463-000210US
10/174,541 (Continuation of Appl. No. 09/481,815, Patent No. 6,407,050, Atty. Docket No. 020463-000900US)	06/18/2002	020463-000910US

<u>Patent No.</u>	<u>Issue Date</u>	<u>Atty. Docket No.</u>
6,288,020 (Continuation of Appl. No. 09/195,785, Patent No. 6,057,280, Atty. Docket. No. 020463-001100US)	09/11/2001	020463-001110US

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

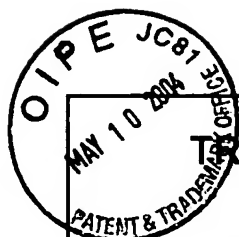
The Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Dated: May 6, 2004

By: Mark G. Sandbaken
Mark G. Sandbaken, Ph.D.
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60139686 v1



TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	10/737,102
		Filing Date	December 15, 2003
		First Named Inventor	Paul Danton Huish
		Art Unit	To be assigned
		Examiner Name	To be assigned
Total Number of Pages in This Submission	1	Attorney Docket Number	020463-000410US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): IDS wPTO 1449A and references AS-AX and BH-PO; Return Postcard
Remarks	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual	Townsend and Townsend and Crew LLP Mark G. Sandbaken, Ph.D. Reg. No. 39,354	
Signature		
Date	May 6, 2004	

CERTIFICATE OF TRANSMISSION/MAILING			
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Typed or printed name	Jennifer M. Smolen		
Signature		Date	May 6, 2004



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/737,102	
			Filing Date	December 15, 2003	
			First Named Inventor	Paul Danton Huish <i>et al.</i>	
			Art Unit	To be assigned	
			Examiner Name	To be assigned	
Sheet	1	of	2	Attorney Docket Number	020463-000410US

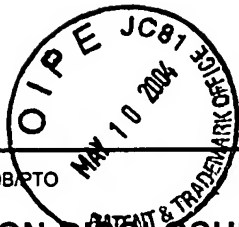
U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	AA	US-3,962,107	06/08/1976	N. Levin, et al.	
	AB	US-3,997,576	12/14/1976	T. Oghoshi, et al.	
	AC	US-4,064,062	12/20/1977	J. Yurko	
	AD	US-4,374,056	02/15/1983	H. Watanabe, et al	
	AE	US-4,438,025	03/20/1984	T. Satsuki, et al.	
	AF	US-5,026,400	06/25/1991	R. Holland, et al.	
	AG	US-5,382,677	01/17/1995	D. Colignon, et al.	
	AH	US-5,391,783	02/21/1995	D. Colignon, et al.	
	AI	US-5,397,494	03/14/1995	J. Vega, et al.	
	AJ	US-5,429,773	07/04/1995	A. Sherry, et al.	
	AK	US-5,475,134	12/12/1995	K. Baker	
	AL	US-5,616,781	04/01/1997	B. Sajic, et al.	
	AM	US-5,637,560	06/10/1997	W. Raehse, et al.	
	AN	US-5,637,758	06/10/1997	B. Sajic, et al.	
	AO	US-5,688,982	11/18/1997	V. Khan, et al.	
	AP	US-5,945,394	08/31/1999	B. Sajic, et al.	
	AQ	US-5,972,861	10/26/1999	T. Rolfes	
	AR	US-6,057,280	05/02/2000	P. Huish, et al.	
	AS	US-6,534,464	03/18/2003	P. Huish, et al.	
	AT	US-6,407,050	01/18/2002	P. Huish, et al.	
	AU	US-6,468,956	10/22/2002	P. Huish, et al.	
	AV	US-6,509,310	01/21/2003	P. Huish, et al.	
	AW	09/704,256	Filed: 11/01/2000	P. Huish, et al.	
	AX	09/677,271	Filed: 10/02/2000	P. Huish, et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (<i>if known</i>)				
	AY	EP	0 336 740 B1		01/25/1995	M. Hull, et al.		<input type="checkbox"/>

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

60139686 v1



Substitute for form 1449B PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/737,102
			Filing Date	December 15, 2003
			First Named Inventor	Paul Danton Huish et al.
			Art Unit	To be assigned
			Examiner Name	To be assigned
			Attorney Docket Number	020463-000410US
Sheet	2	of	2	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AZ	FOSTER, N. and HOVDA, K., "Manufacture of Methyl Ester Sulfonates and Other Derivatives," <i>Chemithon</i> , Seattle, WA (October 1997).	
	BA	FOSTER, N. et al., "Medium to Very High Active Single Step Neutralization," <i>Chemithon</i> , Seattle, WA (1997).	
	BB	FOSTER, N., "Sulfonation and Sulfation Processes," <i>Chemithon</i> , Seattle, WA (1997).	
	BC	HOVDA, K., "Methyl Ester Sulfonation: Process Optimization," <i>Chemithon</i> , Seattle, WA (1993).	
	BD	HOVDA, K., "The Challenge of Methylester Sulfonation," <i>Chemithon</i> , Seattle, WA (1997).	
	BE	MACARTHUR, B. et al., "Meeting the Challenge of Methylester Sulfonation," <i>Chemithon</i> , Seattle, WA (1998).	
	BF	"Surfactants," <i>Inform</i> , 7(1):10-12 (January 1996).	
	BG	RAO, Y. K. et al., "Physico-Chemical Properties of Some Salts of Sulfo Methyl Ester Surfactants," <i>4th World Surfactants Congress</i> , pp. 382-391, (1996).	
	BH	N-octyl pyrrolidone," Internet website: http://www.chemfinder.com (printed 2/22/00).	
	BI	<i>Technical Bulletin</i> - "EMPIGEN OB / EBA," Albright & Wilson Americas Inc., Virginia.	
	BJ	"ACUSOL ® detergent polymers - ACUSOL ® 445 dispersant," <i>ROHM and HAAS technology report</i> (1991).	
	BK	"ACUSOL ® detergent polymers - ACUSOL ® 460N dispersant," <i>ROHM and HAAS technology report</i> .	
	BL	"ACUSOL ® detergent polymers - ACUSOL ® 820 thickener," <i>ROHM and HAAS technology report</i> .	
	BM	"Fats and Oils Composition" chart, Witco Corporation.	
	BN	Davidsohn & Milwidsky, "Synthetic Detergents," <i>Longman Scientific & Technical</i> , 7th ed., pp. 263-264 (1987).	
	BO	Patterson, H.B.W., "Hydrogenation Methods," <i>Hydrogenation of Fats and Oils</i> , Elsevier Science Publishing Co., N.Y., pp. 132-231 (1983).	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.